Index of Claims

| Application/Control No. | Applicant(s)/Patent under Reexamination |  |  |  |  |  |  |  |  |
|-------------------------|---|--|--|--|--|--|--|--|--|
| 10/678,313              | TSUCHIYA, HITOSHI                       |  |  |  |  |  |  |  |  |
| Examiner                | Art Unit                                |  |  |  |  |  |  |  |  |
| Tai Duong               | 2871                                    |  |  |  |  |  |  |  |  |

|   | Rejected | - | (Through numeral)<br>Cancelled |
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| = | Allowed  | + | Restricted                     |

| N | Non-Elected  | A | Appeal   |
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| ı | Interference | 0 | Objected |

| Claim Date                                       |          |          |  |          | Claim Date |  |  |          |                 |   |      | Cla      | Claim    |          |          |               |                               | Date                 |                       |                  |       |              |          |          |          |          |          |          |          |           |          |
|--|----------|----------|--|----------|------------|--|--|----------|-----------------|---|------|----------|----------|----------|----------|---------------|-------------------------------|----------------------|-----------------------|------------------|-------|--------------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|
|  | a        | 9        |  |          |            |  |  |          |                 |   | i .  |          | al       |          |          |               |                               |                      |                       |                  | _     | <del>-</del> |          |          | - 1      |          |          |          |          |           |          |
| Final  | Original | 11/26/06 |  |          |            |  |  |          |                 |   | 1    | Final    | Original |          |          |               |                               |                      | - 1                   |                  | Final | Original     |          | j        |          |          |          |          |          | l         |          |
| II   | Ö        | =        |  |          |            |  |  |          |                 |   | - 1  | 豆        | Ö        |          |          |               |                               |                      | 100                   |                  | ᄪ     | Ö            |          | - 1      |          |          |          |          |          |           |          |
| -  |          |          | _  |          | L.         | 1  | ļ  | _        | $\sqcup$        |   |      |          |          | -        | ₽        |               |                               | +                    |                       | -                | _     | 1            |          | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$ |           | $\dashv$ |
| <u> </u>   | 1        | =        | _  |          | $\vdash$   | -  |  | ┞        | $\vdash$        |   | ļa.  |          | 51       | -        | -        |               | +                             |                      |                       | -                |       | 101<br>102   | $\dashv$ | -        | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ |
| <u> </u>   | 2        | ┝        | _  | <u> </u> | <u> </u>   | <u> </u>   | _  | <u> </u> | $\vdash$        |   | c r  | _        | 52<br>53 | -        | +        | +             | $\dashv$                      | $\dashv$             | -                     | -                |       | 102          | $\dashv$ | $\dashv$ | +        | $\dashv$ | -        | $\dashv$ | -+       | $\dashv$  | $\dashv$ |
| <u> </u>   | 3        | =        | -  | ├        | ⊢          | -  | ⊢  |          | -               |   | ,    |          | 54       |          | +        | +             | ++                            | $\dashv$             | - 15                  |                  |       | 103          | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\dashv$ | ┥        | ┥         | $\dashv$ |
|  | 5        | -        | ┝  | ⊢        | $\vdash$   | $\vdash$   | ├─   |          | $\vdash$        | _ | -    |          | 55       |          | ╁╌       |               | +++                           | +                    | - 1                   |                  |       | 105          | -        | ┪        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | ᅱ        | $\dashv$  | $\dashv$ |
| <u> </u>   | 6        | =        | ⊢  | $\vdash$ | ┢          | ╁  | ├  | $\vdash$ | -               |   | , is |          | 56       | +        | +        | +             | ++                            | $\dashv \dashv$      | - 3                   | H                |       | 106          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | _        | ᅱ         | $\dashv$ |
| _  | 7        | -        | ┝  | -        | $\vdash$   | -  | -  | -        | Н               | _ | . (  |          | 57       |          | $\vdash$ | -             | $\dashv \dashv$               | +                    | - 4                   | -                |       | 107          |          | -        |          |          | _        |          | 寸        | 一         | $\dashv$ |
| -  | 8        | -        | ┢  | ┢        |            | <del>                                     </del> | 1  | $\vdash$ | Н               |   | Ď.   |          | 58       | $\dashv$ | 1        | -             | $\dashv \dashv$               | $\dashv \dashv$      | 7                     |                  |       | 108          |          |          | $\neg$   | 一        | $\dashv$ |          | $\dashv$ | ヿ         | $\neg$   |
|  | 9        | $\vdash$ | -  | -        | 1          | <u> </u>   | $\vdash$   | $\vdash$ | Н               |   | 1    |          | 59       | _        |          |               | $\dashv \dashv$               | -11                  | <b>-</b>              | -                |       | 109          | ┪        | ┪        |          |          |          |          | $\neg$   | コ         | ヿ        |
| <del>                                     </del> | 10       | $\vdash$ | ┢  | $\vdash$ | T          | <del> </del>                                     | ┢  | Г        | П               |   |      |          | 60       | $\neg$   |          |               |                               |                      |                       | r                |       | 110          | ヿ        | ╗        | $\neg$   | コ        |          |          | ヿ        | コ         |          |
|  | 11       | _        | $\vdash$   | $\vdash$ | T          |  |  |          | П               |   |      |          | 61       | _        | $\Box$   |               | $\dashv \dashv$               |                      |                       | _                |       | 111          |          | $\neg$   |          |          |          |          |          | $\neg$    |          |
| *  | 12       | Г        |  |          | Г          |  | 1.   | Г        | П               |   | . 1  |          | 62       |          | $\sqcap$ |               | $\neg \neg$                   | $\neg \vdash \vdash$ |                       |                  |       | 112          |          |          |          |          |          |          |          |           |          |
|  | 13       | ▐        | Γ  |          |            | T  | П  | Π        | П               |   | 0.   |          | 63       |          | П        |               |                               |                      | an.                   | -                |       | 113          |          |          |          |          |          |          |          |           |          |
|  | 14       | =        |  |          |            |  |  |          |                 |   |      |          | 64       |          |          |               |                               |                      |                       | Ę                |       | 114          |          |          |          |          |          |          |          |           |          |
|  | 15       | 0        |  |          |            |  |  |          |                 |   | ÷ :  |          | 65       |          |          |               |                               |                      |                       |                  |       | 115          | $\Box$   |          |          |          |          |          |          |           |          |
|  | 16       | =        |  |          |            |  | L  |          | $\Box$          |   | <br> |          | 66       |          |          |               |                               |                      |                       | L                |       | 116          |          |          |          |          |          |          |          | _         |          |
|  | 17       |          | L  |          | L          |  |  |          |                 |   |      |          | 67       |          | 1_       |               | $\perp \!\! \perp \!\! \perp$ | _ _                  | _1                    | L                |       | 117          |          | _        |          | $\Box$   | _        |          | _        | _         |          |
|  | 18       | L        | L  | 匚        | L          | ļ  | L.   |          |                 |   |      |          | 68       |          | $\perp$  | $\perp$       | $\perp \perp$                 |                      |                       | L                |       | 118          | _        |          | _        | $\Box$   |          |          | _        | _         |          |
|  | 19       | _        | $ldsymbol{ld}}}}}}$ | <u> </u> | <u> </u>   | <u> </u>   | _  | L        | Ш               |   |      |          | 69       | $\perp$  | Ш        | $\dashv$      | _                             | $\perp \perp \perp$  |                       |                  |       | 119          |          |          | _        | _        | _        |          | _        | ᅴ         |          |
|  | 20       |          |  | L        |            | <u> </u>   | <u> </u>   | L        | Ш               |   | M    |          | 70       | $\perp$  | 1        | $\perp$       | +                             |                      | -                     | Ш                |       | 120          | _        | _        | _        | _        | _        |          | 4        | _         |          |
|  | 21       | _        | _  | ļ        | L_         | <u> </u>   | ᆫ  |          |                 |   |      |          | 71       | $\perp$  | $\perp$  |               |                               | $\dashv$             | _                     |                  |       | 121          | _        |          | _        | _        | _        | _        | 4        |           |          |
| ļ  | 22       |          | _  | <u> </u> | L          | <u> </u>   | <u> </u>   | _        | Ш               |   | 1    |          | 72       |          | ╀        | -             | -                             |                      |                       | <u>.</u>         |       | 122          | _        | _        |          | _        | _        | _        | $\dashv$ |           | $\dashv$ |
|  | 23       | _        | _  | <u> </u> | ┞          | ـ  | <u> </u>   | <u> </u> | Н               |   |      |          | 73       |          | +        | -             | $\dashv$                      |                      |                       | -                |       | 123          |          | _        | -        | $\dashv$ | $\dashv$ | _        |          |           | $\vdash$ |
|  | 24       | _        | _  | ┡        | <u> </u>   | <del> </del>                                     | ┝  | ├        | Н               |   | - 5  |          | 74       |          | +        |               |                               |                      | -13                   | H                |       | 124<br>125   | _        | -        |          |          | $\dashv$ |          |          | -         | $\vdash$ |
|  | 25<br>26 | ⊢        | <u> </u>   | ├        | ├          | $\vdash$   | ⊢  | -        |                 | _ |      |          | 75<br>76 | -        | +        |               | $\dashv \dashv$               | $\dashv$             | 7                     |                  |       | 126          | $\dashv$ | -        | $\dashv$ | -        | $\dashv$ |          | ┥        | $\dashv$  | $\vdash$ |
| <b></b>  | 27       | -        | -  | $\vdash$ | ⊢          | ╁  | ⊢  | ├        | $\vdash$        | _ | . :: |          | 77       | -        | -        | -             | $\dashv$                      | $\dashv$             | - 1.5<br>1.52<br>1.42 | -                |       | 127          | $\dashv$ | -        | $\dashv$ |          | $\dashv$ |          |          | $\dashv$  | $\dashv$ |
| $\vdash$   | 28       | ⊢        | ├  | ⊢        | $\vdash$   | -  | ├  | ┢        | $\vdash$        | _ |      |          | 78       | -        | +-       | -             | +                             |                      | <b>-</b> (∴,          | ı٢               |       | 128          | -        | $\dashv$ | $\dashv$ | -1       |          | -        | -        | $\dashv$  | $\vdash$ |
| $\vdash$   | 29       | ⊢        | ┢  | -        | ┢          | $\vdash$   | $\vdash$   | ┢        | $\vdash$        | _ |      |          | 79       |          | +        |               | $\dashv \dashv$               |                      |                       | -                |       | 129          |          | 一        | -        |          | $\neg$   |          | $\dashv$ | ╛         | H        |
| <b>-</b>   | 30       | ┢        | $\vdash$   | ┢        | $\vdash$   | ╁╌   | H  | ╁┈       | Н               | _ |      |          | 80       | -        | +        | $\rightarrow$ |                               |                      | - 4                   |                  |       | 130          | -        | $\dashv$ | 一        |          |          |          |          | $\exists$ | $\sqcap$ |
|  | 31       | -        |  | $\vdash$ |            | 十  | $\vdash$   | $\vdash$ | $\Box$          |   |      |          | 81       | $\neg$   | +        |               | $\dashv \dashv$               | 11                   |                       |                  |       | 131          | 寸        | _        | _        |          |          |          |          | $\neg$    | П        |
|  | 32       | _        |  | $\vdash$ | $I^-$      | <del>                                     </del> | <del>                                     </del> | 1        | $\Box$          |   | 1-5  |          | 82       |          | 1        |               |                               |                      |                       | -                |       | 132          |          | $\neg$   | 一        |          |          |          | 一        | $\neg$    | $\Box$   |
|  | 33       |          |  | Т        | $\vdash$   | 1-   |  | П        | П               |   |      |          | 83       |          | $\top$   | $\dashv$      | _                             | 丁廿                   |                       | -                |       | 133          |          | $\dashv$ | $\neg$   |          | $\neg$   |          |          | $\neg$    | М        |
| Γ.   | 34       |          | <u> </u>   | Г        | Π          | T  |  |          | П               |   | - 4  |          | 84       |          | $\sqcap$ |               | $\neg$                        |                      |                       |                  |       | 134          | $\neg$   | $\neg$   | $\neg$   |          |          |          |          |           |          |
|  | 35       |          |  |          |            |  |  |          |                 |   | . 7  |          | 85       |          |          |               |                               |                      |                       |                  |       | 135          |          |          |          |          |          |          |          |           |          |
|  | 36       |          |  |          |            |  |  |          |                 |   | 1    |          | 86       |          |          |               |                               |                      | , II.                 | $\Gamma$         |       | 136          |          |          |          |          |          |          |          |           |          |
|  | 37       |          |  |          |            | $\Box$   |  | $\Box$   |                 |   |      |          | 87       |          | $\Box$   |               |                               |                      |                       |                  |       | 137          |          |          |          |          |          |          |          |           | Ш        |
|  | 38       |          | 匚  |          | $\Box$     | $\perp$  |  | $\Box$   | $\Box$          |   |      |          | 88       |          |          |               |                               |                      |                       | L                |       | 138          | [        |          |          |          |          | Ш        | $\Box$   |           | Ш        |
|  | 39       |          |  |          |            | L  |  |          | Ш               |   |      |          | 89       |          |          |               | $\perp \perp$                 | ot                   |                       | ş L              |       | 139          |          | _        | $\dashv$ |          |          | Ш        |          | $\Box$    | Ш        |
|  | 40       |          | <u> </u>   | L        |            | Ļ  | L  | <u> </u> | Ш               |   |      |          | 90       |          | $\sqcup$ | $\perp$       |                               | _ _                  | _                     | Ĺ                |       | 140          |          |          |          |          |          | Ш        | _        | _         | Щ        |
| Щ  | 41       | _        |  | _        | 1_         | -  | _  | _        | Ш               |   | ١.   |          | 91       |          | $\sqcup$ | $\perp$       | _ _                           |                      | 1                     | L                |       | 141          |          |          | _        |          |          | Щ        | _        | _         | Щ        |
|  | 42       | <u> </u> | <u> </u>   | _        | <u> </u>   | $\vdash$   | _  | <u> </u> | Ш               |   |      |          | 92       | $\perp$  | 4-4      |               | -                             |                      | _                     | L                |       | 142          |          |          |          |          | _        |          | _        | $\dashv$  | Щ        |
|  | 43       | <u> </u> | <u> </u>   | $\vdash$ | ├-         | $\vdash$   | $\vdash$   | $\vdash$ | $\sqcup$        |   |      |          | 93       | _        | $\vdash$ | $\vdash$      | -                             | $+$ $\downarrow$     | - F                   | F                |       | 143          |          |          | _        |          | _        |          | $\dashv$ | $\dashv$  | Щ        |
| <u> </u>   | 44       | ⊢        | $\vdash$   | -        | ├-         | ⊢  | ├  | ⊢        | $\vdash$        | _ |      | <u> </u> | 94       |          | +        | $\vdash$      | -                             |                      |                       | $\vdash$         |       | 144          |          |          |          |          | -        | $\vdash$ | $\dashv$ | $\dashv$  | $\dashv$ |
| <b> </b> -                                       | 45       | -        | <del>                                     </del>   | -        | ⊢          | ╀  | -  | ⊢        | Н               |   | . %  |          | 95       | +        | $\vdash$ | -             | $\dashv$                      | $\dashv$             | _                     | H                |       | 145          |          |          | -        |          | -        |          | $\dashv$ | $\dashv$  | $\dashv$ |
|  | 46<br>47 | $\vdash$ | -  | $\vdash$ | ├-         | ╀╌   | -  | ⊢        | $\vdash \vdash$ |   |      | _        | 96<br>97 | -        | +        |               | $\dashv \dashv$               | $\dashv$             |                       | $\vdash$         |       | 146<br>147   |          | $\dashv$ | $\dashv$ | -        |          | $\vdash$ | $\dashv$ | $\dashv$  | $\dashv$ |
|  | 48       | ┢        |  | $\vdash$ | ⊢          | ╁  |  | ⊢        | Н               |   |      |          | 98       | +        | $\vdash$ | -             | $\dashv$                      | +-                   | -13.                  | :   <del>-</del> |       | 148          | -        |          | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ |
| ·  | 49       | $\vdash$ |  | -        | $\vdash$   | ┼-   | -  | ├        | ╁╌┤             | _ |      | $\vdash$ | 99       | +        | +        |               |                               | $\dashv$             | $\dashv$              | $\vdash$         |       | 149          | $\dashv$ | $\dashv$ |          | -        |          |          | $\dashv$ | $\dashv$  | $\vdash$ |
|  | 50       | $\vdash$ | -  | $\vdash$ | $\vdash$   | ╁  | $\vdash$   | $\vdash$ | Н               | _ |      |          | 100      | +        | +        | +             | $\dashv$                      | $\dashv$             | $\dashv$              | +                |       | 150          | $\dashv$ |          | $\dashv$ | $\dashv$ |          |          | $\dashv$ | $\dashv$  | $\vdash$ |
|  | <u> </u> |          |  |          | 1          |  |  |          | LI              | L |      | Щ        | וטטו     |          |          |               |                               |                      |                       | L                |       | IJU          |          |          |          |          |          |          |          |           | لب       |